

about 144.80 lakh people are dependent on fisheries and its allied activities as sources of livelihood.

(b) About 1.12 lakh persons are engaged in fish processing activity.

(c) About 2.70 lakh women are engaged in actual operation of fishing and 0.66 lakh women are engaged in fish processing activity.

Bt. cotton cultivation

3220. SHRI SITARAM YECHURY: Will the Minister of AGRICULTURE be pleased to state:

(a) whether Government have approved the Bt. cotton cultivation in certain parts of the country;

(b) if so, the details thereof including the States, the variety of Bt. seeds that have got the approval;

(c) the extent of Bt. cotton farming in the country, since 2000; and

(d) whether Government have conducted any study on the impact of GM seeds on our agriculture and overall economy of farming community in the country?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI KANTILAL BHURIA): (a) and (b) Bt. cotton is the only genetically modified (GM) crop approved for commercial cultivation in the States of Andhra Pradesh, Karnataka, Tamil Nadu, Haryana/Punjab, Rajasthan, M.P., Gujarat and Maharashtra by Genetic Engineering Approval Committee (GEAC) of the Ministry of Environment and Forests. The details of Bt. cotton hybrids approved for commercial cultivation by GEAC are given in the Statement (See below). -

(c) The extent of Bt. cotton cultivation from Kharif 2002-03, when it was first released for commercial cultivation, to 2006-07 is as under:

Year	Area in lakh ha.
2002-03	0.29
2003-04	0.92
2004-05	4.92
2005-06	12.34
2006-07	34.40 (provisional)

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(d) Government has not conducted any study on the impact of genetically modified seeds on agriculture. However, as per the information provided by different States, the production of Bt. cotton is higher by 15 to 30% as compared to non-Bt. cotton.

Statement

*Details of Bt. Cotton hybrids approved for commercial cultivation by
GEAC*

S.N	Name of Hybrids	Name of Company	Gene Event	Zone
1	2	3	4	5
April 2002				
1.	MECH12Bt***	M/s Manyco	cry 1 Ac (MON 531 Event)	Central (renewed)
2.	MECH 162 Bt***	M/s Manyco	cry 1 Ac (MON 531 Event)	Central & South (renewed)
3.	MECH184Bt***	M/s Mahyco	cry 1 Ac (MON 531 Event)	Central & South (renewed)
April 2004				
4.	RCH 2 Bt	M/s Rasi Seeds Ltd	cry 1 Ac (MON 531 Event)	Central & South
April-June, 2005				
5.	NCS-207 Mallika	M/s Nuziveedu Seeds Ltd.	cry 1 Ac (MON 531 Event)	Central & South
6.	NCS-145 Bunny	M/s Nuziveedu Seeds Ltd.	cry 1 Ac (MON 531 Event)	Central & South
7.	RCH-144 Bt	M/s Rasi Seeds Ltd	cry 1 Ac (MON 531 Event)	Central
8.	RCH-118Bt	M/s Rasi Seeds Ltd	cry 1 Ac (MON 531 Event)	Central
9.	RCH-138Bt	M/s Rasi Seeds Ltd	cry\ Ac (MON 531 Event)	Central
10.	RCH-20 Bt	M/s Rasi Seeds Ltd	cry 1 Ac (MON 531 Event)	South
11.	RCH-368 Bt	M/s Rasi Seeds Ltd	cry 1 Ac (MON 531 Event)	South
12.	RCH-134Bt	M/s Rasi Seeds Ltd	cry 1 Ac (MON 531 Event)	North

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1	2	3	4	5
13.	RCH-317Bt	M/s Rasi Seeds Ltd.	cry 1 Ac (MON 531 Event)	North
¹ f	MRC-6322Bt	M/s Mahyco	cry 1 Ac (MON 531 Event)	South
15.	MRC-6918Bt	M/s Mahyco	cry 1 Ac (MON 531 Event)	South
16.	MRC-6301 Bt	M/s Mahyco	cry 1 Ac (MON 531 Event)	Central & North
17.	MRC-6304Bt	M/s Mahyco .	cry 1 Ac (MON 531 Event)	North
18.	Ankur-651 Bt	M/s Ankur Seeds Ltd.	cry 1 Ac (MON 531 Event)	Central & North
19.	Ankur-2534 Bt	M/s Ankur Seeds Ltd.	cry 1 Ac (MON 531 Event) cry 1 Ac (MON 531 Event)	North
20.	Akur-09	M/s Ankur Seeds Ltd.	Event)	Central
April-July, 2006				
21.	MRC-6025 Bt.	M/s Mahyco	cry 1 Ac (MON 531 Event)	North Zone
22.	MRC-6029Bt.	M/s Mahyco	cry 1 Ac (MON 531 Event)	North
23.	NCS-913Bt.	M/s Nuziveedu Seeds Ltd.	cry 1 Ac (MON 531 Event)	North/Central/ South Zone
24.	NCS138Bt.	M/s Nuziveedu Seeds Ltd.	cry 1 Ac (MON 531 Event)	North
25.	RCH 308 Bt.	M/s Rasi Seeds Ltd.	cry 1 Ac (Event 1)	North
26.	RCH 314 Bt.	M/s Rasi Seeds	cry i Ac (MON 531 Event)	North
27.	RCH 377 Bt.	M/s Rasi Seeds	cry 1 Ac (MON 531 Event)	Central Zone
28.	RCH 111 BG I	M/s Rasi Seeds	cry 1 Ac (MON 531 Event)	South Zone
29.	RCH-371 BG' I	M/s Rasi Seeds	cry 1 Ac (MON 531 Event)	South Zone
30.	RCHB-708 BGI	M/s Rasi Seeds	cry 1 Ac (MON 531 Event)	South Zone
31.	GK 205 Bt.	M/s Ganga Kaveri Seeds Pvt. Ltd.	cry 1 Ac (MON 531 Event)	Central Zone

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1	2	3	4	5
32.	GK 204 Bt.	M/s Ganga Kaveri Seeds Pvt. Ltd.	cry 1 Ac (MON 531 Event)	Central Zone
33.	GK 209 Bt.	M/s Ganga Kaveri	cry 1 Ac (MON 531 Event) cry	South Zone
34.	GK 207 Bt.	M/s Ganga Kaveri	1 Ac (gene	South Zone
35.	KDCHH 9810 Bt.	M/s Krishidhan Seeds Pvt. Ltd.	Event 1) cry 1 Ac (MON 531 Event)	Central & South Zone
36.	KDCHH 9632 Bt.	M/s Krishidhan Seeds Pvt. Ltd.	cry 1 Ac (MON 531 Event)	Central & South Zone
37.	KDCHH 9821 Bt.	M/s Krishidhan Seeds Pvt. Ltd.	cry 1 Ac (MON 531 Event)	Central Zone
38.	ACH-33-1 Bt.	M/sAjeet Seeds Ltd.	cry 1 Ac (MON 531 Event)	Central & South Zone
39.	ACH-155-1	M/s Ajeet Seeds Ltd.	cry 1 Ac (MON 531 Event)	Central & South Zone
40.	Tulasi 4 Bt.	M/s Tulasi Seeds Ltd.	cry 1 Ac (MON 531 Event)	Central & South Zone
41.	Tulasi117Bt.	M/s Tulasi Seeds Ltd.	cry 1 Ac (MON 531 Event)	Central &, South Zone
42.	NPH2171BL	M/s Prabhat Seeds Ltd	cry 1 Ac (MON 531 Event)	Central & South Zone
43.	Brahma Bt.	M/s Emergent Genetics	cry 1 Ac (MON 531 Event)	Central & South Zone
44.	VICH 5 Bt	M/s Vikram Seeds Pvt. Ltd.	cry 1 Ac (MON 531 Event)	Central & South Zone
45.	VICH 9 Bt.	M/s Vikram Seeds Ltd. PvTLtd.	cry 1 Ac (MON 531 Event)	Central & South Zone
46.	PRCH-102 Bt.	M/s Pravardhan Seeds Pvt. Ltd.	cry 1 Ac (MON 531 Event)	Central Zone"
47.	PCH-2270 Bt.	M/s Prabhat Seeds Ltd	cry 1 Ac gene (Event 1)	South Zone
48.	VCH 111 Bt	M/s Vikki Agrotech Pvt. Ltd.	cry 1 Ac (Event 1)	Central Zone
49.	MRC 7301 BGII	M/s Mahyco	cry 1 Ac and cry 2Ab(MON 15985 Event)	Central Zone

1	2	3	4	5
50.	MRC-7326 BGII	M/s Mahyco	cry 1 Ac and cry 2Ab(MON 15985 Event)	Central Zone
51.	MRC-7347 BGII	M/s Mahyco	cry 1 Ac and cry 2Ab(MON 15985 Event)	Central Zone
52.	MRC-7351 BGII	M/s Mahyco	cry 1 Ac and cry 2Ab(MON 15985 Event)	South Zone
53.	MRC 7201 BGII	M/s Mahyco	cry 1 Ac and cry 2Ab(MON 15985 Event)	South Zone
54.	KDCHH-441 BGII	M/s Krishidhan Seeds Pvt. Ltd.	cry 1 Ac and cry 2Ab(MON 15985 Event)	Central Zone
55.	ACH-11-2 BGII	M/sAjeet Seeds Ltd.	cry 1 Ac and cry 2Ab(MON 15985 Event)	Central Zone
56.	JKCH 1947 Bt	M/s J.K. Agri Genetics Seeds Ltd.	cry 1 Ac gene (Event 1)	North Zone
57	JK Varun Bt.	M/s J.K. Agri Genetics Seeds Ltd.	cry 1 Ac gene (Event 1)	Central Zone
58	JK Durga Bt	M/s J.K. Agri Genetics Ltd.	cry 1 Ac gene (Event 1)	South Zone
59	JKCH-99Bt.	M/s J.K. Agri Genetics Seeds Ltd.	cry 1 Ac gene (Event 1)	South Zone
60	NCEH-6R	M/s Nath Seeds Ltd.	cry 1 Ab+cry 1C	North Zone
61	NCEH-2R	M/s Nath Seeds Ltd.	cry 1 Ab+cry 1C	Central Zone
62	NCEH-3R	M/s Nath Seeds Ltd.	cry 1 Ab+cry 1 Ac	South Zone

Schemes for cereals, pulses and oilseeds in Goa

3221. SHRI SHANTARAM LAXMAN NAIK: Will the Minister of AGRICULTURE be pleased to state:

(a) whether the schemes for cereals, pulses and oilseeds are in force in Goa;

(b) the essential features of the schemes;